

WEBER RIVER BASIN

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10134500 EAST CANYON CREEK NEAR MORGAN, UT

LOCATION.--Lat 40°55'21", long 111°36'23", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on right bank 2,500 ft downstream from East Canyon Dam, 2.4 mi upstream from Sheep Canyon, and 8.7 mi southeast of Morgan.

DRAINAGE AREA.--144 mi².

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only prior to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder and Lyman rectangular weir. Elevation of gage is 5,460 ft above NGVD of 1929, from river-profile map.

REVISED RECORDS.--WSP 1634, WDR UT-77-1: Drainage area.

REMARKS.--Records good. No diversions between station and East Canyon Reservoir, which completely regulates flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 872 ft³/s, May 4, 1952, gage height, 3.49 ft; minimum daily, 0.2 ft³/s, Dec 19, 29, 1964.EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 97 ft³/s, June 20; minimum daily discharge, 4.7 ft³/s, Nov. 18, 19.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	7.0	5.5	5.5	6.1	6.2	6.2	6.2	19	96	86	58
2	12	7.0	5.5	5.5	6.2	6.2	6.2	6.2	25	96	85	57
3	12	7.0	5.5	5.5	6.1	6.2	6.3	6.4	36	95	85	53
4	12	7.0	5.5	5.5	6.1	6.2	6.2	6.5	36	95	85	52
5	12	7.0	5.5	5.5	6.1	6.2	6.2	6.3	38	95	85	50
6	12	6.1	5.5	5.5	5.9	6.2	6.2	6.2	42	96	85	50
7	11	5.6	5.5	5.5	5.5	6.2	6.2	6.4	42	96	85	50
8	10	6.0	5.5	5.5	5.7	6.2	6.2	6.6	42	90	85	50
9	9.7	5.9	5.5	5.5	6.2	6.2	6.2	6.2	42	87	85	50
10	9.6	5.6	5.5	5.5	6.2	6.2	6.2	6.0	42	87	85	50
11	9.5	5.5	5.5	5.5	6.0	6.3	6.2	5.5	42	87	85	49
12	9.5	5.5	5.5	5.5	6.1	6.4	6.3	5.5	42	87	84	49
13	9.5	5.5	5.5	5.5	6.2	6.5	6.5	5.5	42	86	83	49
14	9.5	5.5	5.5	5.5	6.2	6.9	6.3	5.5	59	86	83	49
15	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.5	66	85	83	43
16	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.7	81	87	83	42
17	9.5	5.1	5.5	5.5	6.2	7.0	6.2	5.5	86	87	83	38
18	9.5	4.7	5.5	5.5	6.2	7.0	6.2	5.5	84	87	83	36
19	9.5	4.7	5.5	5.5	6.2	7.0	6.2	5.5	93	87	83	33
20	9.5	5.3	5.5	5.5	6.2	7.0	6.2	5.5	97	87	83	32
21	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.9	96	87	83	32
22	9.5	5.5	5.5	5.5	6.2	7.0	6.2	6.2	96	86	83	32
23	8.9	5.5	5.5	5.5	6.2	7.0	6.2	6.2	96	86	83	32
24	8.6	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	83	32
25	7.5	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	76	31
26	7.1	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	73	30
27	7.0	5.5	5.5	5.6	6.2	7.0	6.2	6.2	95	86	69	30
28	7.0	5.5	5.5	6.0	6.2	7.0	6.2	6.2	96	86	68	30
29	7.0	5.5	5.5	5.5	---	7.0	6.2	15	95	86	65	30
30	7.0	5.5	5.5	5.6	---	7.0	6.2	19	96	86	64	29
31	7.0	---	5.5	5.8	---	6.5	---	19	---	86	63	---
TOTAL	294.4	172.0	170.5	171.5	171.4	206.6	186.6	220.5	2,011	2,743	2,494	1,248
MEAN	9.50	5.73	5.50	5.53	6.12	6.66	6.22	7.11	67.0	88.5	80.5	41.6
MAX	13	7.0	5.5	6.0	6.2	7.0	6.5	19	97	96	86	58
MIN	7.0	4.7	5.5	5.5	5.5	6.2	6.2	5.5	19	85	63	29
AC-FT	584	341	338	340	340	410	370	437	3,990	5,440	4,950	2,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	25.6	14.0	15.0	17.2	26.0	45.1	69.7	83.5	99.9	109	110	68.1
MAX	170	114	210	206	254	337	269	397	378	248	206	172
(WY)	(1969)	(1970)	(1984)	(1984)	(1985)	(1986)	(1948)	(1952)	(1983)	(1964)	(1975)	(1983)
MIN	3.66	1.10	1.10	1.26	1.50	1.93	2.68	5.04	7.30	54.5	32.8	6.70
(WY)	(1960)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1991)	(1967)	(1964)	(1941)	(1961)

WEBER RIVER BASIN

10134500 EAST CANYON CREEK NEAR MORGAN, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1938 - 2003
ANNUAL TOTAL	9,993.5	10,089.5	
ANNUAL MEAN	27.4	27.6	
HIGHEST ANNUAL MEAN			57.1
LOWEST ANNUAL MEAN			132
HIGHEST DAILY MEAN	151	Aug 15	17.8
LOWEST DAILY MEAN	3.4	Jan 7	1961
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 3	768 May 5, 1952
ANNUAL RUNOFF (AC-FT)	19,820	20,010	0.20 Dec 19, 1964
10 PERCENT EXCEEDS	73	86	1.1 Oct 30, 1960
50 PERCENT EXCEEDS	7.0	6.5	41,340 152
90 PERCENT EXCEEDS	4.7	5.5	28 4.7

